

## psql User Interface

psql is the replacement for dbaccess/sqlcmd

Usage:

```
psql hd_ob6rhax          -- opens psql on hd_ob6rhax db  
                          -- db must have been previously created  
  
psql -f coop.sql hd_ob6rhax      -- executes sql commands in file = coop.sql  
  
psql -l                      -- lists all databases on postgresql server  
  
psql hd_ob6rhax -U username    -- opens psql on database as username  
                          -- similar to "su username"
```

Commands:

\d tablename	-- lists columns, attributes, indexes for table = tablename
\dt	-- lists tables and owners in current database
\dv	-- list views in current database
\i filename	-- reads and executes queries from file (like psql -f)
\x	-- changes output format to vertical mode (like dbaccess)
\timing	-- toggles timing info
\?	-- help for "\" commands
\g	-- repeat last command
\t	-- suppress print of headers (recommended when displaying text fields)
\q	-- quit

END QUERIES WITH ; OR \g

to show version number of postgresql:

```
select version();
```

to show all values of the runtime parameters:

```
show all;
```

to show the value of the "port" parameter:

```
show port;
```

to signify a character string, use a single quote (') - dbaccess uses double quote ("")

```
psql hd_ob5rhax -q -t          -- does not print welcome messages, trailers or
```

footers

To print the number of records in the RadarLoc table:

```
nrad = $(echo "select count(*) from radarloc;" | psql hd_ob5rhax -q -t) ; echo $nrad
```

To generate a column label RADAR\_ID on output:

```
echo "select radid as \"RADAR_ID\" from radarloc;" | psql dbname
```

(without the \" , RADAR\_ID\" would show up as radar\_id)

see the documentation at [www.postgresql.org/docs/7.4/static/app-psql.html](http://www.postgresql.org/docs/7.4/static/app-psql.html)